



PROFITABILITY ANALYSIS OF DISSOPREP

ID 20100927 REV 7

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Content

- 1 Introduction 26
- 2 DissoPrep Technical Features 26
- 3 DissoPrep Commercial Feature: Timesaving 26
- 4 Profitability Calculation..... 27

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1 Introduction

The media preparation should be taken under the regulations of various organizations (including the USP, EP, FDA, GLP / GMP, ISO 9000, DAB, WHO). However, it happened too often without the necessary care, especially for degassing, volumetric measurement and documentation work. Too much time makes a careful approach.

The DissoPrep completed all work by filtering of the heating, mixing, venting and dosage to the logging. The medium processing power including dosage in this case is up to 32 liters per hour. In an hour can thus 4 x 7 Vessels are filled each with 900g.

Another compelling advantage of DissoPrep is its ease of validation and documentation of all test results on report printouts. This is inter alia documented how much ml of medium in each vessel were filled real consideration and documentation of the tolerances.

The price of DissoPrep amortize after about 90 tests by full cost for an hour of minimum EUR 180.

The regulations for the media preparation and dispensing should be in the USP (and EP) guidelines summarized. The DissoPrep met today, what is required in the future: filtering, heating, mixing, degassing under vacuum and stirring, metering and logging.

2 DissoPrep Technical Features

- Filtering, Heating and Degassing of Media
- Mixing of Media from Additive and DI Water by given Method
- Precise Dispensing of Media into the Vessels
- Complete logging/reporting of mixing, individual doses and validation optional with software for logging- and method management on PC

3 DissoPrep Commercial Feature: Timesaving

- Filtering, Heating, Mixing, Degassing under vacuum and Stirring, Dispensing, Documentation as specified by the USP, EP, FDA, GLP / GMP, ISO 9000, DAB, WHO are done fully automatically by the DissoPrep in 15 minutes..
- For this whole process you will have a timesaving of at least 75 minutes in comparison to a test by Hand.
- If you warm the media with conventional water bath based dissolution tester you will have a timesaving of about 45 minutes because of the preheated media of the DissoPrep.

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4 Profitability Calculation

If you calculate with:

- 180€ full costs of a manual test (135€ labour costs for at least 1,5h manual work + 15€ consumables to prepare the media + 30€ raw material for the media),
- 30€ costs of a test with the DissoPrep (30€ raw material for the media) and
- the investment for the DissoPrep,

The ROI will be reached very fast – normally around less than 100 tests!

